

ABSTRACT

An optical system including two or more micromirror arrays is disclosed. The micromirror arrays include alternately disposed transparent and opaque surfaces. The system spatially separates an image toward the micromirror arrays, the image is reflected from the micromirrors, and the reflected image is combined into a composite image that can be displayed or projected. Control and support circuitry that is typically disposed beneath the transparent surfaces of the micromirror arrays can be disposed beneath the opaque surfaces.